

Chenyang Xu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

7,256
citations

840119

11
h-index

1058022

14
g-index

23
all docs

23
docs citations

23
times ranked

5858
citing authors

#	ARTICLE	IF	CITATIONS
1	Snakes, shapes, and gradient vector flow. IEEE Transactions on Image Processing, 1998, 7, 359-369.	6.0	3,292
2	Current Methods in Medical Image Segmentation. Annual Review of Biomedical Engineering, 2000, 2, 315-337.	5.7	1,820
3	Generalized gradient vector flow external forces for active contours. Signal Processing, 1998, 71, 131-139.	2.1	596
4	Topology preserving level set method for geometric deformable models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 755-768.	9.7	402
5	Gradient vector flow: a new external force for snakes. , 0, , .		298
6	CRUISE: Cortical reconstruction using implicit surface evolution. NeuroImage, 2004, 23, 997-1012.	2.1	239
7	Automated Sulcal Segmentation Using Watersheds on the Cortical Surface. NeuroImage, 2002, 15, 329-344.	2.1	145
8	A Computational Framework for the Statistical Analysis of Cardiac Diffusion Tensors: Application to a Small Database of Canine Hearts. IEEE Transactions on Medical Imaging, 2007, 26, 1500-1514.	5.4	117
9	Topology correction in brain cortex segmentation using a multiscale, graph-based algorithm. IEEE Transactions on Medical Imaging, 2002, 21, 109-121.	5.4	114
10	Cortical surface segmentation and mapping. NeuroImage, 2004, 23, S108-S118.	2.1	64
11	Gradient Vector Flow Deformable Models. , 2000, , 159-169.		45
12	An Automated Technique for Statistical Characterization of Brain Tissues in Magnetic Resonance Imaging. International Journal of Pattern Recognition and Artificial Intelligence, 1997, 11, 1189-1211.	0.7	44
13	Gradient Vector Flow. , 2014, , 349-354.		26
14	Reconstruction of the central layer of the human cerebral cortex from MR images. Lecture Notes in Computer Science, 1998, , 481-488.	1.0	16
15	Towards a Statistical Atlas of Cardiac Fiber Structure. Lecture Notes in Computer Science, 2006, 9, 297-304.	1.0	11
16	Graph-Based Topology Correction for Brain Cortex Segmentation. Lecture Notes in Computer Science, 2001, , 395-401.	1.0	7
17	A Moving Grid Framework for Geometric Deformable Models. International Journal of Computer Vision, 2009, 84, 63-79.	10.9	6
18	Statistical Comparison of Cardiac Fibre Architectures. , 2007, , 413-423.		6

#	ARTICLE	IF	CITATIONS
19	Gradient Vector Flow. , 2020, , 1-8.		5
20	Topology Preserving Geometric Deformable Models for Brain Reconstruction. , 2003, , 421-438.		2
21	Gradient Vector Flow. , 2021, , 540-546.		1
22	New approaches for measuring changes in the cortical surface using an automatic reconstruction algorithm. , 2002, , .		0
23	Intensity statistics-based HSI diffusion for color photo denoising. , 2008, , .		0